

# 1 Result

The Result is the monad used to handle errors in the proof compiler.

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```
module Result where
  data Result a = Ok a | Fail String

  thenR :: Result a → (a → Result b) → Result b
  thenR m k = case m of
    Ok a      → k a
    Fail e    → Fail e

  returnR :: a → Result a
  returnR = Ok
```

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